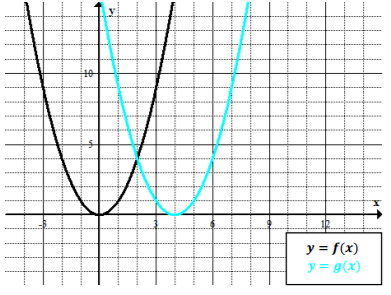
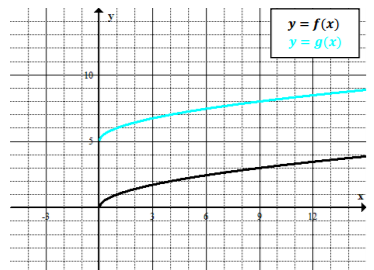
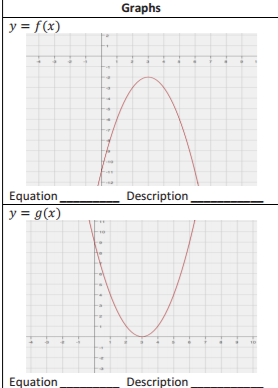
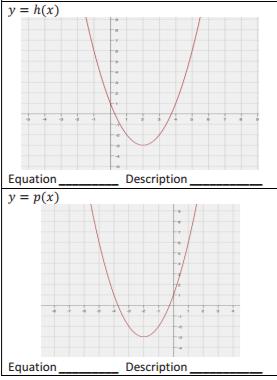
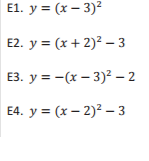
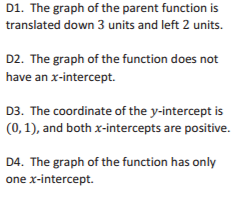
Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TP: \_\_\_\_\_\_\_

CW/HW 32: More Functions? Are you kidding me!?

**Honors Geometry**

1. Graph each set of three functions in the same coordinate plane (in your notebook). Then, explain what similarities and differences you see among the graphs.
2. , ,
3. , ,
4. Using the graphs of answer the following questions.
   1. What is the parent function?
   2. How does the translated graph related to the parent function?
   3. Write the formula for the function depicted by the translated graph.
5. Match each of the following graphs with the function and the description.





Review for Unit Test . . . .

1. What are the key features of a linear function?
   1. Describe in detail the graph and the function itself.
   2. What real world situations are best modeled by linear functions?
2. What are the key features of a quadratic function?
   1. How does it differ from a linear function?
   2. Describe in detail the graph of a quadratic function.
   3. What real world situations are best modeled by quadratic functions?
3. What are the key features of an exponential function?
   1. How does it differ from a linear function?
   2. Describe in detail the graph of an exponential function (both growth and decay).
   3. What real world situations are best modeled by an exponential function?
4. Graph the following set of functions. Determine the domain and range of each of the functions.